

Development and Enhancement of University of Washington West-wide Seasonal Hydrologic Forecast System

Figures

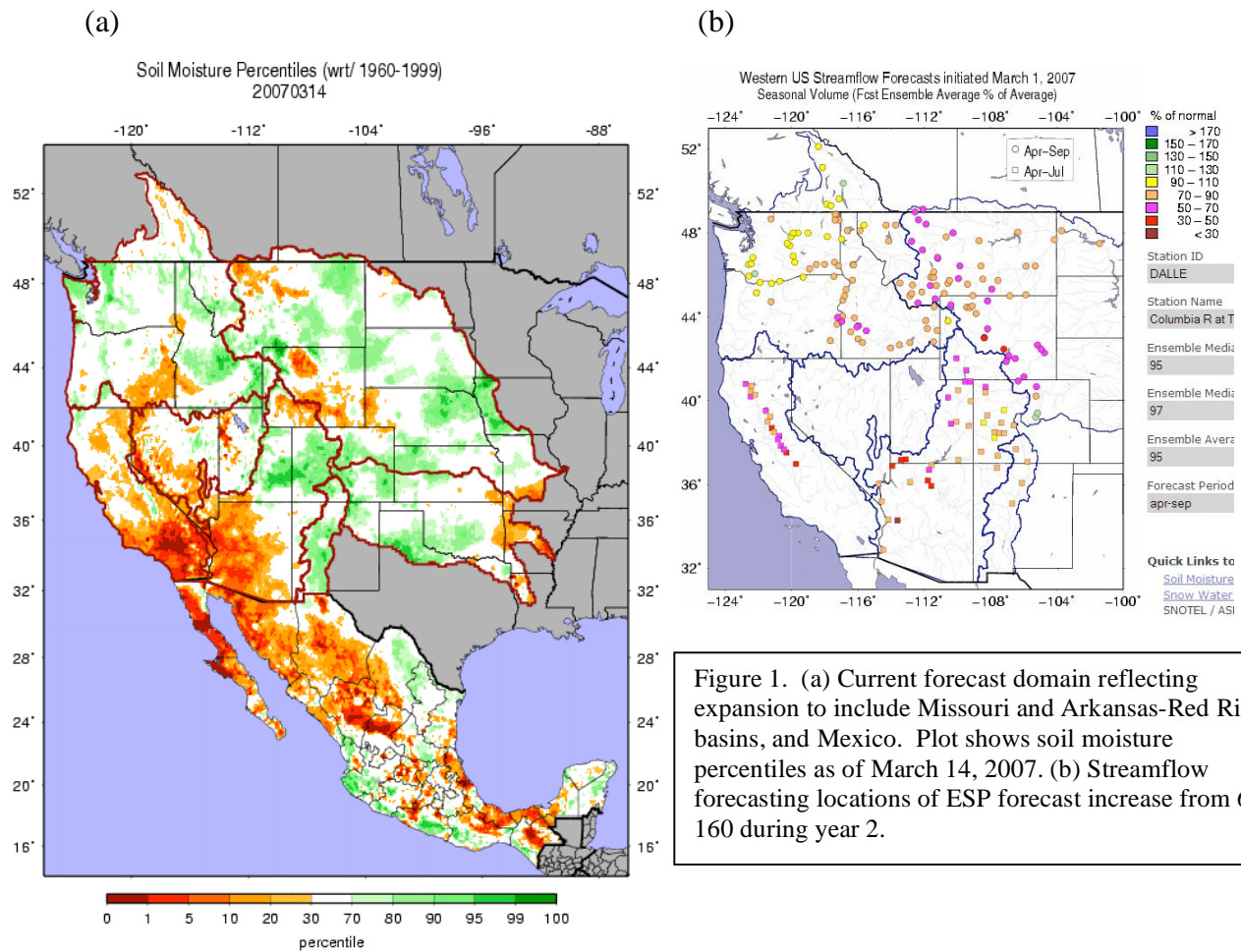


Figure 1. (a) Current forecast domain reflecting expansion to include Missouri and Arkansas-Red River basins, and Mexico. Plot shows soil moisture percentiles as of March 14, 2007. (b) Streamflow forecasting locations of ESP forecast increase from 60 to 160 during year 2.

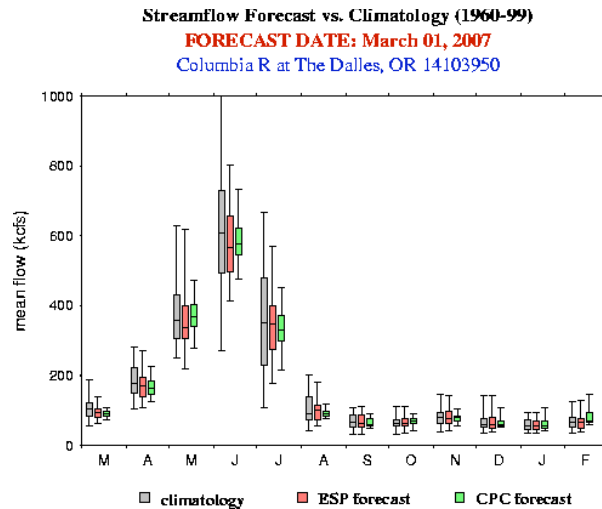


Figure 2. 1 Year forecast of streamflow for Columbia River at the Dalles, OR on March 1, 2007 for ESP and CPC forecast.

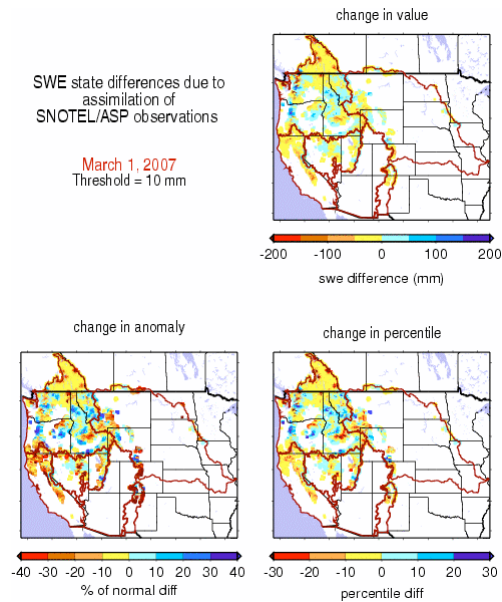


Figure 3. Figure shows the difference in the initial condition of ESP forecast due to assimilation of SNOTEL/ASP observation.

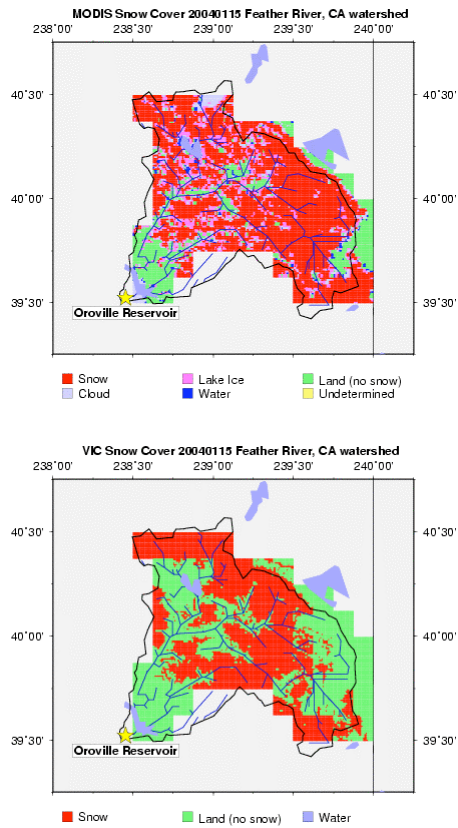


Figure 4. Snow cover maps from MODIS data and VIC simulation at Jan 15, 2004 for Feather River Basin, CA.

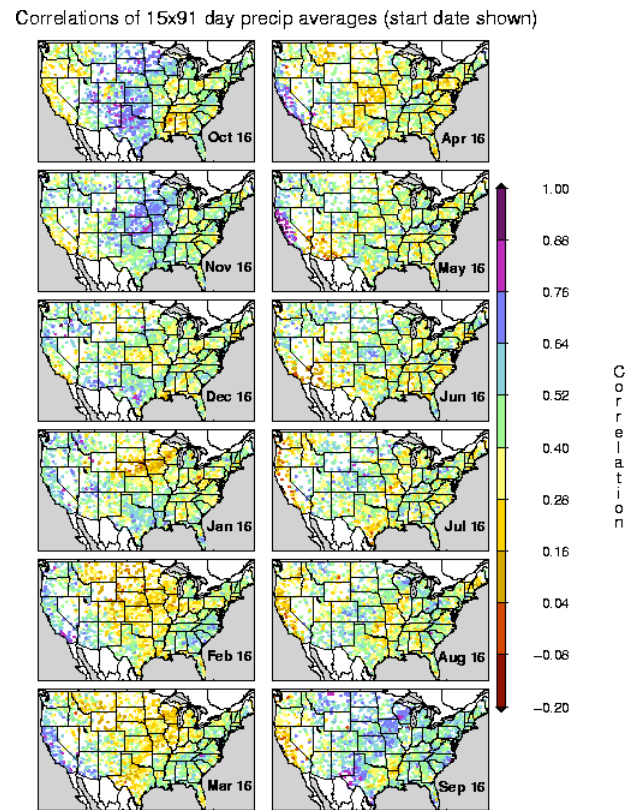


Figure 5. Correlations between precipitations in a two week initial period with precipitation for a longer lead (3-month) period, for monthly varying initialization dates.